AK103 Residual Range Organics[1] - QA/QC

SAMPLE INFORMATION

Matrix	☐Soil ☐ Sediment ☐ Other:		
Extraction Method	Soil:		

AK103 QC RESULTS FOR ANALYTICAL BATCH

Type	M. B.	S. B.	LFB 1	LFB 2	CCS	MS	MSD
Field ID							
Lab ID							
Date Prepared							
Prepared by							
Date Extracted							
Date Analyzed							
Dilution Factor							
% Moisture							
Units							
Correct integration range[1] used?							
Method Blank (MB) Results							
Solvent Blank (SB) Results							
Are Blanks less than PQL[2]?							
Lab Fortified Blank (#1) % Recovery							
Lab Fortified Blank (#2) % Recovery							
LFB Acceptance Range			**60-120%**	**60-120%**			
LFB % RPD[3]							
LFB % RPD[3] Acceptance Limit				**≤ 20%**			
Continuing Calibration Sample Results							
CCS Acceptance Range					**75-125%**		
Matrix Spike Result							
Matrix Spike Duplicate Result							
Matrix Spike % Recovery – Soil						**60-140%**	**60-140%**
Matrix Spike % RPD[3]							
MS % RPD[3] Acceptance Limit - Soil						**≤ 50%**	
Surrogate % Recoveries for all QC							
Surrogate Acceptance Range	60-120%	60-120%	60-120%	60-120%	60-120%	60-120%	60-120%

[1] Residual Range Organics data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. RRO integration range is from the peak start of C_{25} to the end of C_{36} and a boiling range of approximately 400° to 500° C.
[2] PQL = Practical Quantitation Limit. PQL=MDL X 10. Must be less than 100 mg/Kg in soil and 250 ug/L in water.
[3] RPD = Relative Percent Difference. $(|A-B|) / ((A+B)/2) X100$.

COMMENTS

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1. Were all QA/QC procedures REQUIRED by the AK103 Method followed? ☐Yes ☐No-Details attached
2. Were all performance/acceptance standards for the required QA/QC procedures achieved? ☐Yes ☐No-Details attached
3. Were any significant modifications made to the AK103 method? ☐No ☐Yes-Details attached

SIGNATURE: _____

PRINTED NAME: _____DATE: _____

I certify that I have personally reviewed the above checklist and that all information is correct.